



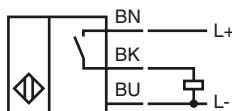
### Model Number

NJ1,5-6,5-40-E2

### Features

- 1.5 mm flush

### Connection

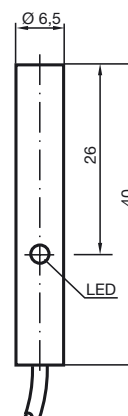


### Accessories

#### BF 6,5

Mounting flange, 6.5 mm

### Dimensions



### Technical Data

#### General specifications

Switching element function	PNP	NO
Rated operating distance	$s_n$	1.5 mm
Installation	flush	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 1.215 mm
Reduction factor $r_{AI}$	0.25	
Reduction factor $r_{Cu}$	0.2	
Reduction factor $r_{304}$	0.7	

#### Nominal ratings

Operating voltage	$U_B$	10 ... 60 V
Switching frequency	$f$	0 ... 500 Hz
Hysteresis	$H$	typ. 5%
Reverse polarity protected	reverse polarity protected	
Short-circuit protection	pulsing	
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 100 mA
Off-state current	$I_r$	$\leq 10$ $\mu$ A
No-load supply current	$I_0$	$\leq 15$ mA
Indication of the switching state	LED, yellow	

#### Functional safety related parameters

MTTF <sub>d</sub>	2190 a
Mission Time ( $T_M$ )	20 a
Diagnostic Coverage (DC)	0 %

#### Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
---------------------	--------------------------------

#### Mechanical specifications

Connection type	cable PUR, 2 m
Core cross-section	0.14 mm <sup>2</sup>
Sensing face	PBT
Protection degree	IP67

#### Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

#### Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Certified by China Compulsory Certification (CCC)